

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Cost-Plus-Fixed-Fee		Page 1 Of 18	
2. Amendment/Modification No. P00036		3. Effective Date 2007JUL11		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By U.S. ARMY TACOM LCMC AMSTA-AQ-AHLB JOHN SARTI (586)574-8116 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL WEAPON SYSTEM: WPN SYS: JE EMAIL: JOHN.SARTI@US.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCMA DETROIT U.S. ARMY TANK & AUTOMOTIVE COMMAND (TACOM) ATTN: DCMAE-GJD WARREN, MI 48397-5000 SCD B PAS NONE ADP PT HQ0337		Code S2305A	
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR 38500 MOUND ROAD STERLING HEIGHTS, MI 48310-3260 TYPE BUSINESS: Large Business Performing in U.S.				<input type="checkbox"/>		9A. Amendment Of Solicitation No.	
				<input type="checkbox"/>		9B. Dated (See Item 11)	
				<input checked="" type="checkbox"/>		10A. Modification Of Contract/Order No. W56HZV-04-C-0504	
				<input type="checkbox"/>		10B. Dated (See Item 13) 2004JUL02	
Code 0C9L5		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) ACRN: AF NET INCREASE: \$160,844.00 <div style="text-align: right;">FMS REQUIREMENT</div>							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS							
KIND MOD CODE: G It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/>		A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A. The Changes Set Forth In Item 14 Are Made In					
<input type="checkbox"/>		B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).					
<input checked="" type="checkbox"/>		C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: mutual agreement of both parties					
<input type="checkbox"/>		D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
SEE SECOND PAGE FOR DESCRIPTION							
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) RICHARD K. KULCZYCKI RICHARD.KULCZYCKI@US.ARMY.MIL (586)574-7299			
15B. Contractor/Offeror _____ (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed 2007JUL11	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0504 MOD/AMD P00036	Page 2 of 18
Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR		

SECTION A - SUPPLEMENTAL INFORMATION

1. The purpose of modification P00036 to Contract number W56HZV-04-C-0504 is to:

- (a) Incorporate 13 additional items from the Master Equipment Technology List (ETL) into the Contract. The items are incorporated from the following proposals.

Proposal No.	Price	number of items
Proposal P-1340-R-37	\$138,160.00	13

i. In addition to the above a revised Attachment 005 is incorporated into the contract

ii. As a result of the above, CLIN 0008AA is being increased by \$138,160.00 from \$1,502,083.00 to \$1,640,243.00.

(b) Incorporate the requirement for a new X-Ray chiller.

i. CLIN 0010AC is added to the contract for the X-Ray chiller in the amount of \$22,684.00.

ii. Section C Scope of Work (SOW) is hereby revised and supersedes the existing SOW. The following SOW is for the X-Ray chiller requirement.

C.24 Replacement of X-Ray Equipment Chiller

C.24.1 The contractor shall provide one (1) Thermo Fisher SCIENTIFIC NESLAB HX-500 Refrigerated, Re circulating Air Cooled Chiller for a closed loop cooling system that supports 2 MEV X-ray Accelerator Unit along with one (1) Plumb Accessory HX - 3/4X25' PLAST and two (2) AIR FILTER KIT -HX500 at the Egyptian Tank Plant (ETP).

C.24.2 Contractor supplied Water Chiller shall meet the following requirements:

- Compatible with current TED operator console at the Egyptian Tank Plant.
- Compatible with current with all Linatron L200A equipment at the Egyptian Tank Plant.
- Compatible with current Safety Interlocks for the X-ray room at the Egyptian Tank Plant.
- TU-6 Pump shall meet the following minimum specifications: 208/230 Volt, 19.8 Amp, 60 Hz 3 phase, 13 GPM at 60 PSI and at 50 Hz, 15 GPM at 50 PSI.
- Shall have a minimum 8,500 W Cooling Capacity
- Unit shall be fully operational in temperatures from 60F to 120F.
- The contractor shall provide a list of Factory Recommended spares with prices for each line item.
- Equipment shall be supportable from the United States.
- All wood packaging materials shall meet IMPS-15 for Bug-Free Wood.

C.24.3 The contractor shall provide one (1) Plumb Accessory HX - 3/4X25' PLAST which contains the following:

- 25' Nylon Reinforced Hose (3/4" ID)
- 4 ea. plated fittings, FPT
- 4 ea. hose clamps
- 25' Tubing Insulation (1.5" ID)

C.24.4 The contractor shall provide two (2) AIR FILTER KIT -HX500 in which each kit contains the following:

- 1 ea. Air Filter, washable, 20 pores per inch
- 2 ea. Mounting Brackets
- Installation Instructions

(c) The following is hereby incorporated into the contract and is applicable to the work to be performed under CLINs 0009AG and 0009AH:
-The contractor has verified that Varian Medical Systems, Linatron products are on the Export Control List under 3A101 and are licensed through the US Commerce Department.

2. As a result of the changes above, the total contract price is being increased by \$160,844.00 from \$69,216,118.00 to \$69,376,962.00.

3. The provisions of this modification constitute the complete equitable adjustment to the contract price resulting from the changes incorporated herein. Any and all claims for adjustment to the contract price resulting from the changes incorporated herein are hereby waived and released.

4. All other terms and conditions of the contract remain unchanged and in full force and effect.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0504 MOD/AMD P00036	Page 3 of 18
Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR		

*** END OF NARRATIVE A0037 ***

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
0008	NSN: 0000-00-000-0000 SECURITY CLASS: Unclassified				
0008AA	<p>PRODUCTION QUANTITY</p> <p>CLIN CONTRACT TYPE: Firm-Fixed-Price NOUN: INCREMENT 9 TANK ETL PRON: J54NFV1847 PRON AMD: 04 ACRN: AF AMS CD: NfV002 FMS CASE IDENTIFIER: EG-B-NfV</p> <p>Packaging and Marking</p> <p>Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin</p> <p>Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 W56HZV5293D104 BEG003 M BEG800 1 PROJ CD BRK BLK PT GGX DEL REL CD QUANTITY DEL DATE 001 1 31-OCT-2007</p> <p>FOB POINT: Origin</p> <p>SHIP TO: (BEG003) DHL GLOBAL FORWARDING 7465 CANDLEWOOD ROAD SUITE M HANOVER MD 21077-3183</p> <p>MARK FOR: CONTRACTOR TO CONTACT DCMAO FOR SHIPPING INSTRUCTIONS PRIOR TO SHIPMENT.</p>	1	LO	\$ ** N/A **	\$ 1,640,243.00

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0010	NSN: 0000-00-000-0000 SECURITY CLASS: Unclassified				
0010AC	<p><u>PRODUCTION QUANTITY</u></p> <p>1</p> <p>EA</p> <p>\$ 22,684.00000</p> <p>\$ 22,684.00</p> <p>NOUN: INDUSTRIAL CHILLER PRON: J54CHL0147 PRON AMD: 01 ACRN: AF AMS CD: NfV002 FMS CASE IDENTIFIER: EG-B-NfV</p> <p><u>Packaging and Marking</u> INTERMEDIATE PACK: 001</p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u> DOC SUPPL <u>REL CD</u> <u>MILSTRIP</u> <u>ADDR</u> <u>SIG CD</u> <u>MARK FOR</u> <u>TP CD</u> 001 W56HZV7184D101 CK00DM M BEG800 1 <u>DEL REL CD</u> <u>QUANTITY</u> <u>DEL DATE</u> 001 1 10-SEP-2007</p> <p>FOB POINT: Origin</p> <p>SHIP TO: (CK00DM) XR GENERAL DYNAMICS LAND SYSTEMS IN 14920 23 MILE ROAD SHELBY TOWNSHIP MI 48315-3008</p> <p>MARK FOR: CONTRACTOR TO CONTACT DCMAO FOR SHIPPING INSTRUCTIONS PRIOR TO SHIPMENT.</p>				

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0504 MOD/AMD P00036	Page 6 of 18
Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR		

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 MANUFACTURING TECHNICAL ASSISTANCE (MTA) OBJECTIVE:

C.1.1 The Contractor shall provide MTA efforts and program management in order to assist the US Government/Arab Republic of Egypt (USG/ARE) in the execution of the planned M1A1 ABRAMS Coproduction Program. The M1A1 Coproduction Program shall maximize use of the space available and existing plant equipment now in the Egyptian Tank Plant (ETP). The Increment 8 MTA objective is to ensure production capacity/capability for the manufacturing and production of one hundred (100) M1A1 vehicles at a rate of four per month at the ETP in accordance with U. S. manufacturing and quality standards and Increment 8 Egyptian Technical Data Package (TDP) referenced in Hardware Kit Contract DAAE07-00-C-N001. The Increment 9 MTA objective is to ensure production capacity/capability for the manufacturing and production of One Hundred twenty five (125) M1A1 vehicles at a rate of 4 per month at the ETP in accordance with U.S. manufacturing and quality standards and the Increment 9 Technical Data Package (TDP) referenced in Hardware Kit Contract W56HZV-04-C-0136. Contractor personnel located in both the United States and on-site at the ETP shall assist and advise USG/ETP personnel as required to facilitate and meet the objective. Major tasks included in this SOW are:

Program Management	C.2
Configuration Management	C.3
Management Information Systems	C.4
Training	C.5
Equipment Identification/Definition	C.6
Validification/Verification	C.7
Engineering Support to Production	C.8
Integrated Logistics Support	C.9
Shipping and Receiving	C.10

C..1.2 Except as otherwise noted herein any all references to CoProduction shall be construed to mean the M1A1 Coproduction.

C.2 PROGRAM MANAGEMENT:

C.2.1 The Contractor shall provide the support and effort necessary to participate as part of the USG/GOE/ Contractor Coproduction Management Team both in CONUS and OCONUS. The function of the Management Team will be to participate in program reviews, program scheduling, as well as in identification and resolution of program related problems. The Contractor will assist, as described below, in monitoring the development and implementation of the M1A1 Coproduction program at the ETP. The Contractor will provide direction and coordination between the various related Coproduction tasks such as MTA, production and logistic support, acting as the lead in identifying the impact of USG and ETP generated changes/decisions and providing recommendations and possible solutions. The Contractor shall provide the efforts necessary to conduct planning for current and future M1A1 Coproduction Increments and to apply and manage its resources to ensure that MTA objectives and scheduled milestones are completed successfully. The Contractor shall develop and implement the program plans to identify and integrate all tasks, task schedules and budget for all functions. The Contractor shall establish and maintain the schedules, budgets, and administrative controls to measure and report its performance of the contract. The Contractor shall manage the program to the requirements of the Master Program Plan(MPP), Work Breakdown Structure (WBS), Baseline Cost Performance Report (CPR), schedule, and Staffing Plan .

C.2.2 Program Control and Administration: Privity of contract for this effort is between the USG and the Contractor. As such, changes to the contract may only be accomplished by the PCO (or ACO) via properly executed contract modification. The PCO shall appoint Contracting Officer Representatives (CORs) in accordance with DFARS 252.201-7000.

C.2.3 Program Interface at ETP: The Contractor shall interface between the M1A1 Coproduction Program and other USG/GOE Coproduction efforts within the ETP complex that may include other contractors. The Contractor shall also retain responsibility for the coordination of all efforts within the M1A1 Coproduction Program in order to facilitate compliance with programs, plans, objectives, and schedules. The Contractor shall elevate any program conflicts or disputes with other contractors to the CFO/CMO for resolution.

C.2.4 Master Program Plan: The Contractor will provide an update to the Increment 7 Master Program Plan (MPP) in accordance with CDRL A001, to describe Increment 8/9 program tasks and identify when they will be accomplished. The plan includes all Coproduction efforts and activities within the contract objectives and milestones. This document shall serve as guidance to the Contractor for accomplishment of the MTA effort, and shall be submitted for Government approval within 30 days of contract award.

C.2.4.1. Work Breakdown Structure: The Master Program Plans schedule will serve as the baseline for the Work Breakdown Structure (WBS). The Increment 7 WBS shall be updated as required and submitted in accordance with CDRL A002. The MPP and WBS will be used to develop scheduling and budgeting systems and the more specific intermediate level operating and department plans

C.2.4.2 Staffing Plan: The Contractors Government-approved Staffing Plan is due at time of contract award in accordance with CDRL A003. The plan shall provide a job description for each position at both CONUS and OCONUS locations. The Staffing Plan shall identify manloading and departmental headcount on a month-by-month basis, through program completion. A cross reference explanation of the relationship between the Staffing Plan and contract SOW shall be provided with the Staffing Plan. The Increment 9 Approved Staffing Plan will be incorporated as Attachment 009 to the contract.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0504 MOD/AMD P00036	Page 7 of 18
Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR		

C.2.4.2.1. The OCONUS contractor personnel shall be authorized to provide MTA efforts in support of previous and future M1A1 tanks as agreed to by the COR and the Contractor. This assistance shall be on a non-interference basis with Increment Eight production and shall be limited to the period of performance identified in the approved staffing plan.

C.2.4.3 Reporting: The Contractor will provide a Semi-Annual Report tracking performance against the Master Program Plan and Staffing Plan baselines in accordance with CDRLs A001 and A003. The Semi-Annual Report will separately address CONUS and OCONUS staffing levels and identify the corresponding job descriptions at each site. Changes from the prior reporting period will be indicated. The Government may request interim updates for review in addition to the Semi-Annual Report and original Plans.

C.2.4.4 Coproduction Manufacturing Flow Charts: The specific work content requirements of Manufacturing Technical Assistance shall be provided in accordance with Increment 7 `M1A1 Coproduction Manufacturing Flow Charts updated as required for Increment 8 (CDRL A004).

C.2.4.5 Security Guidelines: The security guidelines for this contract are contained in Attachment 2, entitled Security Instructions for M1A1 Abrams Tank, dated March 1995.

C.2.5 Personnel Management:

C.2.5.1 Contractor OCONUS Work Schedule: The normal work week for OCONUS Contractor personnel shall be forty (40) hours. These hours may be expended at the discretion of the Contractor weekly from Saturday through Thursday. The Contractor shall adjust the work week schedule to accommodate Ramadan and Egyptian National holidays. The Contractor shall make best efforts to use these periods for leaves and personal absences.

C.2.5.2 Personnel Support Services (PSS): The Contractor shall provide for and manage PSS for all Contractor employees and their authorized dependents, stationed in Egypt in support of the M1A1 Coproduction Program. PSS is defined as the resources in terms of personnel housing services, transportation, utilities, medical care, and other related efforts/services associated with the life support of program personnel. PSS for Local National employees (LNs) shall be provided in accordance with Egyptian laws

C.2.5.3 APO Privileges: The Contractor will be authorized use of APO privileges under this contract for personal and official company business mail up to 70 pounds per item, provided such use is approved by the proper military postal authorities. The Contractor will reimburse DoD for the costs of mail transportation between CONUS and OCONUS. Receiving or sending mail on behalf of unauthorized personnel is strictly prohibited, and violations will result in the loss of APO privileges. Receiving or sending personal mail as official Company Business Mail will also result in the termination of APO privileges.

C.2.5.4 Business Travel: The Contractor shall submit a 45-day advance notification to the CMO for business travel to ETP and other Egyptian Military OCONUS sites related to performance under this contract. Emergency travel to OCONUS with less than a 45-day notice may be submitted for approval by the CMO on a case-by-case basis. All requests are subject to the approval of the CMO/GOE. Personal information for travelers should be provided on a Work Visit Request Form available from the CMO. CMO approval of Contractor OCONUS personnel traveling to CONUS sites for business purposes is not required; however, notification to the CMO of such travel is required for coordination purposes. Including Contractor travel plans in the minutes of the weekly Production Conference Call shall suffice for said notification.

C.2.6 FORMAL REVIEWS:

The Contractor shall be responsible for coordination, preparation and management of two (2) major In-Process Reviews (IPRs), and two (2) CONUS Program Management Reviews annually. Of the two (2) IPRs, one (1) will be held in CONUS and the other OCONUS. The contractor shall obtain a site to hold these reviews, provide necessary audio-visual equipment, and assist visitors in obtaining lodging accommodations. Agendas, charts, presentation handouts, minutes and action items shall be prepared by the Contractor as required by CDRLs A005 & A006 in coordination with the CMO. The Contractor shall also be responsible for providing pertinent program status and issues for these reviews, as well as reporting on previous action items.

C.2.7 CONFERENCE CALLS:

The Contractor shall participate with the USG/ETP in one (1) weekly conference call focused on Production and one (1) bi-weekly conference call focused on Logistics issues. Minutes shall be prepared by the Contractor and electronically distributed at least three (3) days prior to the next scheduled call.

C.2.8 MEETINGS:

The Contractor shall attend meetings with the COR(s), ETP Management, suppliers and other responsible parties to ensure compliance with the Egyptian Coproduction Office objectives.

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0504 MOD/AMD P00036	Page 8 of 18
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Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR

C.2.9 FINANCIAL MANAGEMENT:

The Contractor shall maintain a baseline, cost budgeting, scheduling, and control system to manage and report program related costs and variances by CLIN and SubCLIN. The Contractor shall provide cost reports per CDRL A007. Performance and cost reports shall be provided to the USG twenty-five (25) days after the 1st of each succeeding month.

C.3 CONFIGURATION MANAGEMENT:

C.3.1 Configuration Management System: The Contractor shall oversee a configuration management system in accordance with the approved USG/ETP Configuration Management Plan.

C.3.2 Configuration Control- CONUS: The Contractor shall maintain and control the M1A1 Coproduction configuration baseline and manage the configuration changes for Coproduction application as applied to the USG configuration. The Contractor will also participate along with the CMO in the evaluation and processing of engineering changes, deviations, and waivers generated from either USG or ETP personnel.

C.3.3 Engineering Change Proposals (ECPs): The Contractor shall provide ECPs tailored to the ETP in accordance with the Configuration Management Plan.

C.4 MANAGEMENT INFORMATION SYSTEM (MIS):

C.4.1 The Contractor shall provide the effort necessary to support the ETP in the function and maintenance of the ETPs MIS mainframe hardware and operating system/software.

C.4.2 The Contractor is required to use the ETPs Management Information System to the maximum extent possible

C.5 TRAINING:

C.5.1 General: The Contractor shall conduct training for ETP instructor personnel per the Master Program Plan. Training of ETP instructor personnel will be Train the Trainer type training, whereby the Contractor shall train ETP instructors who, in turn, will train the ETP workforce. As a prerequisite for entry into this training, ETP instructor personnel must have successfully completed the ETP Instructional Systems Development Course. Additionally, the ETP instructors must have some educational and practical experience in mechanical, electrical, and automotive areas. The Contractor shall advise the ETP Management of any specifically required skill prerequisites for students prior to the commencement of training.

C.5.2 Weld Inspection/Certification Training: The Contractor shall identify any necessary training for the ETP workforce in areas requiring certification, e.g., Welder Certification, Weld Inspector Certification, Radiographic Inspection, and any other areas where special certification is required.

C.6 EQUIPMENT IDENTIFICATION/DEFINITION (Manufacturing, Quality, and Facilities):

C.6.1 The previously developed Increment 9 Equipment Technology List (ETL) is incorporated as Attachment 005 to this contract.

C.6.2 Any Contractor-provided ETL equipment not already purchased by the government under CLIN 0005AB of contract DAAE07-00-C-M007 shall be awarded under this contract on a Firm Fixed Price CLIN(s), separate from the CONUS/OCONUS Cost-Plus Fixed-Fee services CLINs.

C.7 VALIDATION/VERIFICATION:

C.7.1 Validation/Verification is the process by which the M1A1 is demonstrated capable of being produced utilizing the deliverable data and specific equipment items in accordance with the established procedures and the Technical Data Package.

C.7.2 New manufacturing operations resulting from the addition of new vehicle systems that are transferred to ETP shall undergo the VAL/VER process. The Contractor shall develop and submit a list of Increment 8 operations, if any, that are recommended for VAL/VER to the U. S. Government for approval sixty (60) days after contract award.

C.7.3 The Contractor shall perform the VAL/VER of each transferred manufacturing operation in a three (3) phase process.

PHASE I: Each operation shall be performed using Contractor personnel only.

PHASE II: The Contractors personnel shall demonstrate to ETP personnel.

<p style="text-align: center;">CONTINUATION SHEET</p>	<p style="text-align: center;">Reference No. of Document Being Continued</p> <p style="text-align: center;">PIIN/SIIN W56HZV-04-C-0504 MOD/AMD P00036</p>	<p style="text-align: center;">Page 9 of 18</p>
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Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR

PHASE III: ETP personnel shall perform each operation, with Contractor oversight only.
At their discretion, additional ETP personnel may be present to witness any of the VAL/VER Phases.

C.7.4 The Contractor shall develop and maintain a Validation/Verification Plan (CDRL A008) which will provide an explanation of the methodologies to be used to validate/verify each manufacturing operation and the processes/documents and facilities equipment used to perform it. The methodology shall have built-in checks and balances to ensure that the highest standards of performance are achieved.

C.7.5 The process and/or documentation will be considered validated/verified when ETP personnel, using approved documentation and facilities, complete Phase III in accordance with the USG approved Validation/Verification Plan.

C.8 ENGINEERING SUPPORT TO PRODUCTION:

The Contractor shall provide the technical knowledge and services of various engineering organizations needed to solve problems associated with Coproduction process operation, ETP personnel performance to validated work instructions, and product quality. The Contractor shall assist ETP in the update of Process Documentation as required to reflect the configuration of the vehicles to be produced in Increment 8. The Contractor is not responsible for the ETP generated production documentation. The following paragraph descriptions are representative of the kinds of services that the Contractors functional departments will provide.

C.8.1 Preproduction Engineering Support:

C.8.1.1 Manufacturing Drawings and Work Instructions: The Contractors OCONUS personnel shall advise ETP personnel in adapting and customizing the provided production documentation to the ETPs needs. The Contractor is not responsible for the ETP generated production documentation.

C.8.1.2 OCONUS Contractor personnel shall advise in the interpretation of drawings, specification and manufacturing operation data, perform evaluation of material characteristics and properties, provide technical liaison to manufacturing, packaging and material storage and control activities, and advise ETP/CMO on product defect correction and engineering change recommendations. The Contractor shall support and attend ETP configuration change review meetings, part source evaluation, supplier problem discussions, and material review board meetings.

C.8.2 Facilities Engineering:

C.8.2.1 The Contractor shall advise with the resolution of problems associated with Coproduction process equipment. The facility engineering support activities include advising the ETP regarding Coproduction material handling equipment, lifting devices, work area requirements, general safety requirements, and plant equipment maintenance and utility requirements. The Contractors Facility Engineers shall establish and maintain a technical interface for Contractor/customer studies, quality reviews, and inter-organizational communications.

C.8.2.2 Facilities Planning: The Contractor shall provide planning for the update of ETP factory layouts and building construction requirements for Egyptian M1A1 Coproduction Program as the need arises.

C.8.3 Quality Engineering:

C.8.3.1. The Contractor shall assist in defect prevention, detection, evaluation, and notification systems that ensure continued production of acceptable quality parts. The Contractor will provide the assistance needed to help ETP personnel avoid and solve problems associated with the Coproduction process and product quality. The Quality Engineering support activities may include assistance with inspection, metrology, test equipment, and review of specified and developed requirements affecting configuration and the amount, frequency, and severity of examinations and tests. The Contractors Quality Engineers shall provide recommendations for disposition of defective materials. They will also establish and maintain a technical interface for Contractor-customer studies and communications. The Contractor shall provide quality engineering services to perform production troubleshooting, problem solving, and related quality engineering liaison tasks. In addition, the Contractors CONUS personnel will provide quality engineering liaison support to the deployed engineers, and will coordinate the support services with other US based office resources as required.

C.8.3.2 The Contractor will assist the ETP in assuring the compatibility of production operation sheets and quality requirements; the implementation and monitoring of corrective action; reducing the cost of Quality; refining work instructions and other quality documents; and assist in the resolution of vehicle acceptance issues in conjunction with USG and ETP personnel.

C.8.4 Material Management:

C.8.4.1 Material Control: The Contractor shall assist with the identification of requirements for material handling, material handling equipment, storage, accounting, and control in the ETP Material Control Organization. The current Material Control Plan shall be updated, if necessary, and provided by the Contractor IAW with CDRL A009. The Contractor shall provide the Manufacturing Bill of

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0504 MOD/AMD P00036	Page 10 of 18
Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR		

Material, which shall list stock and parts identification and will be updated as required. The Contractor shall provide support to the ETP in investigating and resolving material control problems and will assist in maintaining an inventory accuracy program at the ETP in accordance with approved Material Control Plans.

C.8.4.2 Production Control: The Contractor shall assist the ETP with the development of production schedules in support of the Program objectives.

C.8.5 Product Engineering:

C.8.5.1 The Contractor shall provide product design liaison engineering support activities that will include tolerance stack-up, review of specified requirements affecting product configuration, system integration, reliability, maintainability, human factor, safety, and material properties. The Contractors product design liaison engineers will evaluate material and workmanship defects and handling damage that results in product non-conformances with requirements. The Contractor shall provide recommendations for corrective action.

C.8.6 MANUFACTURING ENGINEERING:

C.8.6.1 The Contractor shall provide the technical knowledge and services needed to assist the ETP personnel in avoiding and solving problems associated with the M1A1 Coproduction processes. The Contractors manufacturing engineering support activities will include machine, tool, and process studies. The manufacturing engineers will assist in ETP development of rework and repair requirements, and provide advisories for disposition.

C.9 CONUS INTEGRATED LOGISTICS SUPPORT (ILS):

C.9.1 ILS Management: The Contractor shall provide necessary CONUS support and data management for logistics activities. In accordance with CDRL A010 , the Contractor shall provide an bi-annual (every 2 years) update to the existing Egyptian M1A1 Integrated Logistics Support Plan, which shall serve as a basis for ILS Management .

C.9.1.2 Total Package Fielding (TPF): The Contractor shall provide the planning, management and performance of tasks related to identifying all ELF equipment requirements. Tasks include validation and verification of CSPs and/or defined case lines items/quantities, and, tracking of requisitions.

C.9.1.3 ASL/PLL, STTE, and ASIOE Reviews: The Contractor shall provide assistance to the CMO in the evaluation of ASL (Authorized Stockage List), PLL (Prescribed Load List), STTE (Special Tools and Test Equipment), and ASIOE (Associated Supported Items of Equipment). Such assistance shall pertain not only to GD-ECPs, but to non-GD ECPs and Abrams Program knowledge as well. The Contractor shall report all discrepancies noted during the evaluation of ASL/PLL, STTE, and ASIOE to the CMO. The Contractor shall establish and maintain a suspense file of discrepancies.

C.10 SHIPPING AND RECEIVING SERVICES

C.10.1 Freight Forwarder Management

C.10.1.1 The Contractor shall exchange data with the Egyptian Freight Forwarder to track the flow of material into Egypt. The Contractors input to this shared data-base will include Egyptian Factory 200 tank production material and fielding material shipped under CMO-managed M1A1 Cases. For clarification, a listing of these FMS Cases will be provided to the Contractor at time of contract award. Shipping data provided electronically by the Egyptian Freight Forwarder shall be monitored to enable visibility of material receipt at final destinations and to verify closed-loop tracking.

C.10.1.2 The Contractor shall provide tracking information and reports, coordinated through the Egyptian Freight Forwarder, to the CMO and CFO/ETP representatives in Cairo. The Contractor will make arrangements with the Egyptian Freight Forwarder for exchange of data relevant to the CFO and CMO in accordance with CDRL A011.

C.10.2 Returns, Repairs and/or Replacements

C.10.2.1 Parts Management (Contractor Furnished Material): The Contractor shall provide the necessary services required to manage the repair/replacement of CFM. The Contractor shall:

- Receive defective hardware/failed parts at LATP
- Ship the hardware/part(s) to the appropriate source/vendor
 - Obtain estimates of repair and description of failure
 - Conduct pre-shop teardown and inspection analysis on General Dynamics make items
 - Submit proposals to the USG for negotiation/award of repair contract(s)
 - Coordinate disposal of hardware as appropriate
 - Upon DD 250 signature, handoff repaired/replaced parts to USG at LATP
 - Monitor and track repair/replacement parts from receipt at LATP through return at ETP

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0504MOD/AMD P00036	Page 11 of 18
Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR		

C.10.2.2 Government Furnished Material/Unforeseen Hardware Shipments: The Contractor shall, upon direction of the CMO, provide shipping and receiving services for GFM returned to CONUS, as well as for other emergency or unforeseen hardware shipments to support the Egyptian Coproduction Program. The Contractor will coordinate or provide for the receipt and disposition of such material in accordance with procedures established or approved by the CMO.

C.10.3 Reports: The Contractor shall submit quarterly reports (CDRL A012) in Contractor format to the CMO to include the following information:

-Items received (nomenclature, serial number, part number, quantity)
 -Date Item received at LATP
 -Disposition/Status of Item
 -Date repaired part DD250 Signed (CFM)
 -Date Item shipped from LATP to ETP

C. 11 FIELD SERVICE REPRESENTATIVES (FSRs): OCONUS-Egypt CLIN 0005AA-Dec 2006 Completion

C.11.1 The Contractor shall provide five (5) in-country Field Service Representatives (FSRs) to furnish technical assistance to the Government of Egypt. This technical assistance and advice shall include, but is not limited to, troubleshooting, diagnostics, adjustments, replacements and preservation, and assisting with the repair of M1A1 tanks.

C.11.1.1 The Contractor will designate an on-site Team Leader to coordinate and direct the activities of the Contractor FSR Team members. The Team Leader will be drawn from the cadre of FSRs, and will be the principlepoint of contact relative to the teams activities. It is the Team Leaders responsibility to provide weekly informal reports to the CFO as well as to prepare/submit the monthly reports required by CDRL .

C.11.2 As incidents or problems occur, FSRs shall assist the ELF in preparing Field Problem Reports (FPRs) to document vehicle incidents and problems.

C.11.3 FSRs will support USG training programs in Egypt by performing diagnostics and assisting with the maintenance of training vehicles.

C.11.4 The Contractor FSRs will assist the ELF in the identification of field failed parts that are candidates to be returned from field units in accordance with procedures established by COR.

C.12 Completed

C.13 Increment 9 Harness Workshare Scope of Work (CLINs 0006AA & 0007AA):

C.13.1 Overview - The contractor shall provide technical assistance required for the ETP to establish the process to manufacture eleven different branched wiring harnesses (see below). All hardware required to manufacture these harnesses shall be procured by Increment 9 Hardware Kit Contract W56HZV-04-C-0136. In addition First Article Test (FAT), inclusive of test plan, incident investigation and report, of the ETP produced harnesses shall be conducted under contract W56HZV-04-C-0136.

Harnesses:	12931866	WIRING HARNESS ASSY - 1W502
	12346142-2	WIRING HARNESS ASSY - 1W324-9
	12931872	WIRING HARNESS ASSY - 1W504
	12347255-2	WIRING HARNESS ASSY - 2W103-1
	12287231-2	WIRING HARNESS ASSY - 2W101
	12437566	WIRING HARNESS ASSY - 1W370
	12931852	CABLE, ADAPTER HARNESS - 1W505
	12345215	WIRING HARNESS ASSY - 2W102
12325516-2		WIRING HARNESS ASSY - 2W111-9
	12931504	WIRING HARNESS ASSY - 1W170-9
	12931501	WIRING HARNESS ASSY - 1W503

Harnesses selected for First Article Testing

C.13.2 Facilitization- the Contractor will develop an Equipment Technology List (ETL). This list will identify all the tools, facility items and TMDE required for harness production and acceptance testing. The Contractor will be responsible for procurement of all items on the Government approved Increment 9 Harness ETL. The contractor will assist the ETP with the identification and selection of the production area and provide facility layout(s) for the area containing the equipment and tooling. Production rate shall be a minimum of 4/month and a maximum of 10/month.

C.13.3 Process Documentation- the Contractor will develop the initial process documentation required for wiring harness production and assist the ETP with updates/changes during the Val/Ver. The Contractor will furnish operation sheets in current contractor format to be

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0504 MOD/AMD P00036	Page 12 of 18
Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR		

used to develop ETP process documentation.

C.13.4 Certification and Training- the Contractor will identify and provide any unique certification training required for harness production, e.g., solder certification training. The Contractor will arrange for and/or provide train the trainer and student course material and training of the harness manufacturing process. The contractor will identify and arrange training at the ETP for any manufacturing process and specialized equipment requirements. Contractor has identified DRS as the subcontractor that will provide the above Certification and Training.

C.13.5 Validation/Verification- all operations associated with harness production shall undergo Val/Ver as specified in Section C .7 of the base MTA contract. The contractor will develop and deliver a Harness Val/Ver Plan for review and acceptance by the USG.

C.13.6 First Article Testing- FAT will be conducted on select harnesses produced at ETP. FAT harnesses will be sent to CONUS for testing.

C.14 Refurbishment of the Devlieg Planer Mill (CLIN 0009AA)

C.14.1 The contractor shall provide material and services required to refurbish the Devlieg Planer Mill currently located at the Egyptian Tank Plant.

C.14.1.1 Attachment 008. Section J, Attachment 8 of the contract provides additional information for this cost-plus-fixed-fee effort.

C.14.1.2 The contractor is responsible for the transportation of material to/from Cairo, Egypt as required to complete this effort.

C.14.2 Installation. The contactor shall be responsible for installation of the new and refurbished machinery at the ETP.

C.14.2.1 The ETP will do site preparation as necessary for the installation and inspection of the new and refurbished equipment. The contractor shall provide drawings required for the ETP to conduct this work.

C.14.2.2 The contractor shall prove out each piece of equipment by successfully performing current operations. Validation of installation shall be conducted by demonstrating that material processed on each machine meets its technical data package requirements. At a minimum, one full set of material shall be examined. Squawks shall be documented and correction verified.

C.14.3 Technical Data. The contractor shall provide one hard copy and one electronic copy of technical data, drawings, schematics and/or specifications for each piece of equipment replaced or refurbished. Operator and maintenance manuals shall be included.

C.14.3.1 The contractor shall assist the ETP in updating M1A1 production op sheets as required due to changes in the machine set-up, controls or operation.

C.14.4 Training. The contractor shall provide operator and maintenance training on each new or refurbished machine. Operator training shall be conducted by performing M1A1 production operations using the val/ver process. Maintenance training shall include calibration.

(C.14 added by Modification P00015)

C.15. Replacement of Induction Hardening Machine (CLIN 0010AA)

C.15.1 Contractor will procure and install at the Egyptian Tank Plant (ETP) a new Induction Hardening Machine capable of being tooled for hardening M1A1 sprockets (12387555) to MIL-S-12515. Contractor's vendor, Ajax-Tocco, will provide all defense services described herein.

C.15.1.1 Reference attachment #0010 for the parts listing, including part number, quantity, and nomenclature, for the Induction Hardening Machine refurbishment.

C.15.2 Verification. Contractor will validate and verify the operation of the machinery at the vendor's facility by ensuring a quantity of sprockets conforms to the hardness criteria in accordance with drawing 12387555. ETP will provide all sprockets for verification.

C.15.3 Training. Contractor will provide one week of operational and maintenance training for up to five plant production and maintenance personnel at the ETP.

C.15.4 Service. Contractor will provide one week of consecutive on-site technical service immediately following installation of the machinery at the ETP to ensure equipment performs to manufacturing requirements identified in C.14.1.

C.16 Replacement of Plasma Cutter (CLIN 0010AB)

C.16.1 Contractor will provide the Egyptian Tank Plant (ETP) with a new Plasma-Cutting machine and associated peripherals to replace the existing Plasma machine currently at ETP. Contractor will remove the old equipment, install the new system, validate and verify the

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0504 MOD/AMD P00036	Page 13 of 18
--------------------	--	---------------

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR

operation of the machinery and provide training on the use of the machinery to the end users at ETP. With Contractors guidance, the Contractors vendor, ESAB, will provide said installation, training, and validation.

C.16.2 Installation. Contractor will sub-assemble the new equipment off line at the ETP so as not to interrupt production. When that assembly is complete the new equipment will be installed onto the existing guide rail system. The contractor will then disconnect the old equipment from all peripherals and facility services and the remove old system from operation. The contractor will then connect those remaining peripherals and facility services to the new system and operationally and functionally check the equipment out.

C.16.3 Verification. Contractor will validate and verify the operation of the machinery and any/all peripherals at the ETP facility by ensuring a selected ETP make component conforms to the manufacturer's specifications and the drawing dimensional requirements for that selected part.

C.16.4 Training. Contractor will provide one week of operational and maintenance training for up to five plant production and maintenance personnel at the ETP.

C.16.5 Service. Contractor will provide one week of consecutive on-site technical service immediately following installation of the machinery at the ETP to ensure equipment performs to manufacturing requirements.

C.15 AND C.16 corrected the numbering and was added by Modification P00017

C.17 for Oxyfuel is added to Section C of the Contract.

C.17 Refurbishment of Oxy-Fuel Machine (CLIN 0009AB)

C.17.1 Contractor will affect the following repairs/refurbishments/replacements to the Oxy-Fuel machine currently located at the Egyptian Tank Plant:

C.17.1.1 Replace the following Racks and Pinions (General):

- 2 Y-axis pinion gears
- 1 X-axis pinion gear
- 42 Y-axis rack sections
- 84 Taper pins
- 2 Rail cleaners
- 2 Rail cleaners
- 15 X-axis rack sections
- 30 Taper pins

C.17.1.2 Replace the following Saddles Main and subside rollers:

- 6 Rollers
- 12 Bearings
- 4 Axle shafts
- 2 Axle shafts
- 8 Guide bearings

C.17.1.3 Replace the following Traverse Carriages equipment:

- 16 Bearings # 1138352100
- 4 Bearings # 1138354500
- 16 Side roller brngs.
- 4 Top rollers
- 10 Follower rollers
- 4 X-axis rail cleaner

C.17.1.4 Replace the following Gas Panel equipment:

- 2 Fuel hoses
- 4 Oxygen hoses
- 2 Fore/aft adjusters
- 2 Torch holders
- 4 Sensor support/ant

C.17.1.5 Replace the following Gas System equipment:

CONTINUATION SHEET	Reference No. of Document Being Continued		Page 14 of 18
	PIIN/SHIN W56HZV-04-C-0504	MOD/AMD P00036	
Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR			
<p>4 Distribution hoses</p> <p>2 Brass plugs</p> <p>1 Nut # 18800005</p> <p>1 Nut # 18800004</p> <p>1 Supply line pkg.</p> <p>1 Filter unit</p> <p>3 Oxy hose 9</p> <p>2 Oxy hose 25</p> <p>1 Fuel hose 9</p> <p>2 Fuel hose 25</p> <p>1 Air hose 6</p> <p>2 Air hose 18</p> <p>4 Oxy hose 10</p> <p>4 Fuel hose 10</p> <p>2 Hose 10</p> <p>2 Mufflers</p> <p>C.17.1.6 Replace the following Gas Panel equipment:</p> <p>2 Pressure Gauge #39S900000900</p> <p>2 Pressure Gauge #39S900000800</p> <p>2 Pressure Gauge #39S900000600</p> <p>4 Oxy Hoses</p> <p>C.17.1.7 Replace the following X-Axis Nylatrac equipment:</p> <p>2 NPN Assemblies</p> <p>C.17.1.8 Reference attachment #0010 for the parts listing, including part number, quantity, and nomenclature, for the oxy-fuel cut refurbishment.***</p> <p>****C.17.1.9 Replace the following torch station bearings:</p> <p>10 NASTI7ZZUUR-1</p> <p>3 6005-NSE C3</p> <p>4 6207-2NSE C3</p> <p>****C.17.1.10 Replace the following spare parts to stock at the ETP:</p> <p>2 500L Torch Assembly #ZA3251006</p> <p>2 Cap Height Amp Assembly #1138651000</p> <p>2 Cap Height Sensor Ring #1138650600</p> <p>3 X Axis Pinions #1138926000</p> <p>C.17.2 Contractor will send two technicians and will train up to four ETP personnel on aspect of machinery operation affected by the above replacements. Installation and training shall be conducted over a period of 18 days.</p> <p>C.18 Repair and refurbishment of the Probe and Scribe Machine(CLIN 0009AC)</p> <p>C.18.1 The contractor shall provide material and services required to repair and refurbish the Probe and Scribe Machine currently located at the Egyptian Tank Plant.</p> <p>C.18.1.1 Attachment 011. Section J, Attachment 011 of the contract provides additional information for this cost-plus-fixed-fee effort.</p> <p>C.18.1.2 The contractor is responsible for the transportation of material to/from Cairo, Egypt as required to complete this effort.</p> <p>C.18.2 Installation. The contractor shall be responsible for installation of the new and refurbished machinery at the ETP.</p> <p>C.18.2.1 The ETP will do site preparation as necessary for the installation and inspection of the new and refurbished equipment. The contractor shall provide drawings required for the ETP to conduct this work.</p> <p>C.18.2.2 The contractor shall prove out each piece of equipment by successfully performing current operations. Validation of installation shall be conducted by demonstrating that material processed on each machine meets its technical data package requirements. At a minimum, one full set of material shall be examined. Squawks shall be documented and correction verified.</p>			

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0504 MOD/AMD P00036	Page 15 of 18
---------------------------	---	----------------------

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR

C.18.3 Technical Data. The contractor shall provide one hard copy and one electronic copy of technical data, drawings, schematics and/or specifications for each piece of equipment replaced or refurbished. Operator and maintenance manuals shall be included.

C.18.3.1 The contractor shall assist the ETP in updating M1A1 production op sheets as required due to changes in the machine set-up, controls or operation.

C.18.4 Training. The contractor shall provide operator and maintenance training for each new or refurbished machine. Operator training shall be conducted by performing M1A1 production operations using the val/ver process. Maintenance training shall include calibration. The contractor will identify and arrange any training at the ETP that is necessary for the probe & scribe repair and refurbishment effort detailed in Attachment 011. The contractor has identified Fori Automation as the subcontractor that will provide the above training.

C.19 Replace Spindle with new Manufactured Spindle (CLIN 0009AD)

C.19.1.1 The contractor shall manufacture one replacement spindle with OTT gripper incorporation.

C.19.1.2 The OTT gripper cartridge assembly shall be required to fit in the new spindle.

C.19.1.3 Engineering shall include all mechanical, electrical, an hydraulic requirements.

C.19.1.4 The contractor shall be required to test new spindle milling head assembly with 100hp

C.19.2 100 HP Main Spindle Motor

C.19.2.1 The contractor shall rebuild existing motor

C.19.2.2 The contractor shall test and evaluate the rebuilt motor to the acceptable Original Equipment Manufacturers (OEM) specifications.

C.20 Site Survey for Linatron 200A X-Ray System

C.20.1 The Contractor shall provide a technical expert, to review the operating condition of the Linatron 200A X-Ray System in support of Increment 9 tank production at the Military Factory 200, Egyptian Tank Plant, outside of Cairo Egypt. This result will be used to determine the refurbishment efforts required to upgrade the machine.

C.20.2. The purpose of the site survey is to verify, validate, and document the working condition of the subject machine and to identify all operational problems and any outstanding key elements necessary to ensure a prompt and efficient refurbishment efforts. Report shall include replacement part identification and all involved costs. Also the following shall be included in the report:

- (1) An individual listing, identifying all the equipment items requiring refurbishment/replacement/upgrade, and clearly describe those efforts required.
- (2) A detailed milestone schedule to show the sequence of the refurbishment efforts.
- (3) A detailed cost break down for all refurbishment including materials.
- (4) Procurement/production lead times and cost information as required.
- (5) All associated travel and per diem costs for refurbishment team.

C.20.3 Contractor shall perform a Sight Survey to test and evaluate the condition of the Linatron 200A X-Ray system and its related components at the Egyptian Tank Plant (ETP) in Cairo Egypt. Contractor shall generate an assessment report of operational and condition status of the Linatron equipment. The Contractor shall perform to Data Item Description DI-MISC-81381(T) in accordance with 1423 CDRL as in indicated in Exhibit E of the Contract. Exhibit E provided in Section J of the Contract.

C.20.4 NOTE: WORK WEEK REQUIREMENTS

- a) Contractors work week must align with the ETP work week which is Sunday through Thursday.
- b) Contractors work day CANNOT be longer than 8 hours per day, due to plant operating hours.
- c) Contractors should plan on arriving in country no later than Friday to be prepared for Saturday start of work week.

C.20.5 This Scope Of Work and resulting report(s) does not guarantee a purchase order or contract for actual follow-on repair.

C.20.6 The Period of Performance for the Site Survey will be provided in Section B of the Contract in CLIN 0009AE.

C.21 Repair and refurbishment of the Torsion Bar Flame Cut Machine (CLIN 0009AF)

C.21.1 The contractor shall provide material and services required to repair and refurbish the Torsion Bar Flame Cut Machine currently

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0504 MOD/AMD P00036	Page 16 of 18
---------------------------	---	----------------------

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR

located at the Egyptian Tank Plant.

C.21.1.1 Attachment 013. Section J, Attachment 013 of the contract provides additional information for this cost-plus-fixed-fee effort.

C.21.1.2 The contractor is responsible for the transportation of material to/from Cairo, Egypt as required to complete this effort.

C.21.2 Installation. The contactor shall be responsible for installation of the new and refurbished machinery at the ETP.

C.21.2.1 The ETP will do site preparation as necessary for the installation and inspection of the new and refurbished equipment. The contractor shall provide drawings required for the ETP to conduct this work.

C.21.2.2 The contractor shall prove out each piece of equipment by successfully performing current operations. Validation of installation shall be conducted by demonstrating that material processed on each machine meets its technical data package requirements. At a minimum, one full set of material shall be examined. Squawks shall be documented and correction verified.

C.21.3 Technical Data. The contractor shall provide one hard copy and one electronic copy of technical data, drawings, schematics and/or specifications for each piece of equipment replaced or refurbished. Operator and maintenance manuals shall be included.

C.21.3.1 The contractor shall assist the ETP in updating M1A1 production op sheets as required due to changes in the machine set-up, controls or operation.

C.21.4 Training. The contractor shall provide operator and maintenance training on each new or refurbished machine. Operator training shall be conducted by performing M1A1 production operations using the val/ver process. Maintenance training shall include calibration.

C.22 Repair and refurbishment of the Linatron L200 X-Ray Machine(CLIN 0009AG)

C.22.1 Contractor will affect the following repairs/refurbishments/replacements to the Linatron X-Ray machine currently located at the Egyptian Tank Plant:

1 Switch Spring ROT CT
1 SW Console KEY
1 Meter.0-50UA
1 RES, 100M, 1%, 15W, TF
1 PCB AUX PWR
1 Tube, Elec, CX1159
1 Pipe Adapt U.S Britt

C.22.2 The contractor shall provide material and services required to repair and refurbish the Linatron L200 X-Ray machine (S/N 170) currently located at the Egyptian Tank Plant.

C.22.2.1 The contractor is responsible for the transportation of material to/from Cairo, Egypt as required to complete this effort.

C.22.3 Installation. The contactor shall be responsible for installation of the new and refurbished machinery at the ETP.

C.22.3.1 The ETP will do site preparation as necessary for the installation and inspection of the new and refurbished equipment.

C.22.3.2 The contractor shall prove out the equipment by successfully performing current operations. Validation of installation shall be conducted by demonstrating that material processed on the machine meets its technical data package requirements. At a minimum, one full set of material shall be examined. Squawks shall be documented and correction verified.

C.22.4 Technical Data. The contractor shall provide one hard copy and one electronic copy of technical data, drawings, schematics and/or specifications for the equipment replaced or refurbished.

C.22.4.1 The contractor shall assist the ETP in updating M1A1 production op sheets as required due to changes in the machine set-up, controls or operation.

C.23.1 The contractor shall provide and manage a maintenance/service contract for the Linatron L200 X-Ray machine (CLIN 0009AH).

C.23.1.1 The period of performance for the maintenance/service contract for the Linatron L200 X-Ray machine shall be for a period of two years.

C.23.1.2 The maintenance/service contract shall provide the following:

-2 Preventative Maintenance & Inspection visits of up to 16 hrs during which the equipment will be thoroughly tested, assessed for

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-04-C-0504 MOD/AMD P00036	Page 17 of 18
Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR		

- proper performance and adjusted.
- Principle Period of Maintenance shall be Sunday-Thursday, 0800-1700
 - Telephone Hotline/TroubleShooting shall be available Monday-Friday, 0800-1700
 - X-Ray Filament Hours = 3,750
 - A service parts list shall be developed and maintained by the contractor. All replacement parts shall be offered at a %10 discount
 - Corrective Labor - 50 hours maximum per year
 - T&L - 2 trips free then at cost
 - Response time shall be within one week

C.23.2 The contractor shall maintain adequate record of Varian site visits under the maintenance/service contract.

C.23.3 The contractor shall Varian Medical Systems, Linatron products are on the Export Control List under 3A101 and are licensed through the US Commerce Department.

*C.24 Replacement of X-Ray Equipment Chiller

*C.24.1 The contractor shall provide one (1) Thermo Fisher SCIENTIFIC NESLAB HX-500 Refrigerated, Re circulating Air Cooled Chiller for a closed loop cooling system that supports 2 MEV X-ray Accelerator Unit along with one (1) Plumb Accessory HX - 3/4X25' PLAST and two (2) AIR FILTER KIT -HX500 at the Egyptian Tank Plant (ETP).

- *C.24.2 Contractor supplied Water Chiller shall meet the following requirements:
- Compatible with current TED operator console at the Egyptian Tank Plant.
 - Compatible with current with all Linatron L200A equipment at the Egyptian Tank Plant.
 - Compatible with current Safety Interlocks for the X-ray room at the Egyptian Tank Plant.
 - TU-6 Pump shall meet the following minimum specifications: 208/230 Volt, 19.8 Amp, 60 Hz 3 phase, 13 GPM at 60 PSI and at 50 Hz, 15 GPM at 50 PSI.
 - Shall have a minimum 8,500 W Cooling Capacity
 - Unit shall be fully operational in temperatures from 60F to 120F.
 - The contractor shall provide a list of Factory Recommended spares with prices for each line item.
 - Equipment shall be supportable from the United States.
 - All wood packaging materials shall meet IMPS-15 for Bug-Free Wood.

- *C.24.3 The contractor shall provide one (1) Plumb Accessory HX - 3/4X25' PLAST which contains the following:
- 25' Nylon Reinforced Hose (3/4" ID)
 - 4 ea. plated fittings, FPT
 - 4 ea. hose clamps
 - 25' Tubing Insulation (1.5" ID)

- *C.24.4 The contractor shall provide two (2) AIR FILTER KIT -HX500 in which each kit contains the following:
- 1 ea. Air Filter, washable, 20 pores per inch
 - 2 ea. Mounting Brackets
 - Installation Instructions

*C.24 Changed/Added by modification P00036

*** END OF NARRATIVE C0011 ***

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ ITEM	ACRN	OBLG STAT/ JOB ORD NO		PRIOR AMOUNT		INCREASE/DECREASE AMOUNT		CUMULATIVE AMOUNT
0008AA	J54NFV1847 NFV002	AF	1 4DBJVV	\$	1,502,083.00	\$	138,160.00	\$	1,640,243.00
0010AC	J54CHL0147 NFV002	AF	1 4DBJVV	\$	0.00	\$	22,684.00	\$	22,684.00
					NET CHANGE	\$	160,844.00		

SERVICE NAME	NET CHANGE BY ACRN	ACCOUNTING CLASSIFICATION	ACCOUNTING STATION	INCREASE/DECREASE AMOUNT
Army	AF	9711 X8242EG01X6D1000NFV 00226F7EGS20113	W56HZV	\$ 160,844.00
				NET CHANGE \$ 160,844.00

		PRIOR AMOUNT OF AWARD		INCREASE/DECREASE AMOUNT		CUMULATIVE OBLIG AMT
NET CHANGE FOR AWARD:	\$	69,216,118.00	\$	160,844.00	\$	69,376,962.00

ACRN	EDI ACCOUNTING CLASSIFICATION
AF	97110X0X8242EG01 S20113 X6D1000NFV0020000026F7 4DBJVVS20113 W56HZV